

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U-56186	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> TITE HOLE <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Abo Petroleum Corporation			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 105 South Fourth Street - Artesia, NM 88210			8. FARM OR LEASE NAME Arabian Federal	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 460' FNL and 1800' FEL At proposed prod. zone Same			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* Approximately 11 miles north of Hatch Trading Post, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 460'			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 10-T38S-R24E	
16. NO. OF ACRES IN LEASE 3300			12. COUNTY OR PARISH San Juan	
17. NO. OF ACRES ASSIGNED TO THIS WELL 80			13. STATE Utah	
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			20. ROTARY OR CABLE TOOLS Rotary	
19. PROPOSED DEPTH 5950'			22. APPROX. DATE WORK WILL START* ASAP	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5158' GR				

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# H-40	Approx. 108'	50 sacks
11"	8-5/8"	32# J-55	" 2000'	800 sacks - circulate
7-7/8"	5-1/2"	15.5# J-55	TD	400 sacks

RECEIVED
JUL 11 1986DIVISION OF
OIL, GAS & MINING

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Cy Cowan SIGNED Regulatory Agent TITLE May 30, 1986 DATE
(This space for Federal or State office use)PERMIT NO. Kenneth V. Rhea APPROVAL DATE Acting DISTRICT MANAGER
APPROVED BY JUL 10 1986 DATE
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED

FLARING OR VENTING OF
GAS IS SUBJECT OF NTL 4-A
DATED 1/1/80

State of Utah - DORM

COMPANY ABO PETROLEUM CORPORATION

LEASE ARABIAN FEDERAL WELL NO. 1

SEC. 10 T. 38S R. 24E

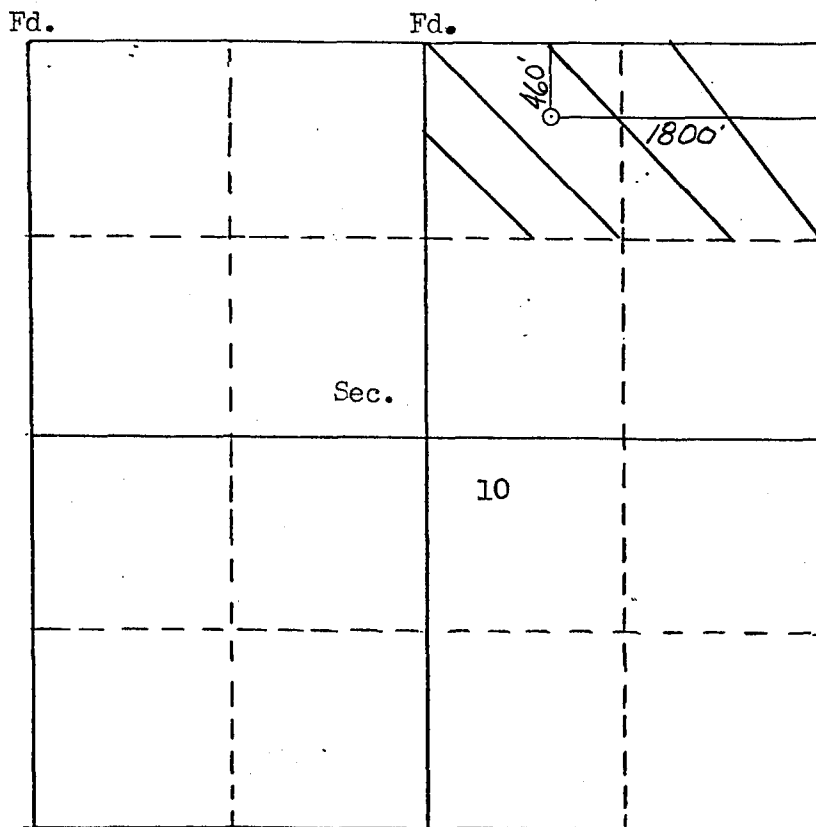
County: San Juan State: Utah

LOCATION 460'FNL & 1800'FEL

ELEVATION 5158

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OIL, GAS & MINING



SCALE—4 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



William D. Franke II
Registered Land Surveyor
N.M. P.L.S. No. 8466

SURVEYED May 28 1986

Abo Petroleum Corporation
Well No. Arabian Federal 1
Sec. 10, T. 38 S., R. 24 E.
San Juan County, Utah.
Lease U-56186

RECEIVED
JUL 11 1986

**DIVISION OF
OIL, GAS & MINING**

CONDITIONS OF APPROVAL

A. DRILLING PROGRAM

B.O.P.E. will be installed before drilling out from the surface casing. The B.O.P.'s will be pressure tested to 1500 psi when they are first nipped up. The pipe rams will be operated daily and the blind rams on every trip to insure good working order. All tests and operational checks will be recorded in the driller's log.

The casing will be pressure tested to 1500 psi.

The Bureau of Land Management, San Juan Resource Area Office will be notified 24 hours in advance of running surface casing. Contact Mike Wade at work (801) 587-2201 or at home (801) 587-2874.

All lease operations will be conducted in full compliance with applicable regulations (43 CFR 3100), Onshore Oil and Gas Order 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions and the approved plan will be made available to the field representative to insure compliance.

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Office. If operations are to be suspended, prior approval of the District Office will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the District Office within a minimum of 24 hours prior to spudding. Written notification in the form of a Sundry Notice (Form 3160-5) will be submitted to the District Office within 24 hours after spudding. If the spudding occurs on a weekend or holiday, the written report will be submitted on the following regular work day.

In accordance with Onshore Order No. 1 this well will be reported on Form 3160-6, "Monthly Report of Operations", starting with the month in which operations commence and continued each month until the well is plugged and abandoned. This report will be sent to the District Office, P.O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Area Office in accordance with requirements of NTL-3A.

If a replacement rig is needed for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed for prior approval from the District Office, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergency situations verbal approval to bring on a replacement rig will be approved through the District Office.

Whether the well is completed as a dry hole as as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted to the District Office not later than thirty (30) days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the Moab District Manager.

If the well is to be completed for production the Area Office is to be contacted in order to set up a pre-production conference. When the well is placed in a producing status the District Office is to be notified by telegram or other written communication within five working days.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

No well abandonment operations will be commenced without the prior approval of the District Office. In the case of newly-drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the District Office. A Subsequent Report of Abandonment (Form 3160-5) will be sent to the District Office within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the Area Office, or the appropriate surface managing agency. Upon completion of approved plugging a dry hole marker will be erected in accordance with 43 CFR 3162.6. The top of the marker will be closed or capped. The following minimum information will be permanently placed on the marker; "Fed" or "Ind", as applicable, "Lease number", "Well number", location of well by 1/41/4 section, township, and range.

B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads:

An encroachment permit will be obtained from the San Juan County Road Dept., (801) 587-2231, ext. 43.

2. Planned Access Roads:

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drill rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

3. Location of Tank Batteries and Production Facilities:

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1 1/2 times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

4. Methods of Handling Waste Disposal:

The reserve pit (will) be lined with commercial bentonite sufficient to prevent seepage. At least half of the capacity will be in cut.

Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contacting the San Juan County Sheriff.

5. Well Site Layout:

The top 6 inches of soil material will be removed from the location and stockpiled separate from the trees on the north (uphill) side. Topsoil along the access will be reserved in place.

Access to the well pad will be from the west.

6. Reclamation:

- a. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- b. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah (801) 587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- c. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- d. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- e. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- f. Water bars will be built as follows to control erosion.

<u>Grade</u>	<u>Spacing</u>
2%	Every 200 feet
2-4%	Every 100 feet
4-5%	Every 75 feet
5+%	Every 50 feet

- g. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

<u>6</u>	lbs/acre crested wheatgrass (<u>Agropyron desertorum</u>)
<u>2</u>	lbs/acre Fourwing saltbush (<u>Atriplex canescens</u>)
<u>1</u>	lb/acre Wild sunflower (<u>Helianthus annuus</u>)

- h. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- i. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

7. Other Information:

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.



ABO PETROLEUM CORPORATION
Oil Producers

ARTESIA, NEW MEXICO 88210

YATES BLDG. - 207 SOUTH 4TH
PHONE: (505) 746-3558

July 11, 1986

Division of Oil, Gas and Mining
3 Triad Center
Suite 350
Salt Lake City, Utah 84180-1203

Attention: Arlene Sollis

RECEIVED
JUL 14 1986

DIVISION OF
OIL, GAS & MINING

Dear Ms. Sollis:

Enclosed you will find a copy of ABO Petroleum's Arabian Federal #1
APD.

Should you need anything else, please call me. If everything is
satisfactory I will be looking forward to hearing from your office
as soon as our application is approved by you.

Thank you for your help with this matter.

Sincerely,

ABO PETROLEUM CORPORATION

Cy Cowan
Cy Cowan
Regulatory Agent

CC/krq

UNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

b. TYPE OF WELL

OIL

WELL ☒

GAS

WELL ☐

OTHER

TITE HOLE

SINGLE

ZONE ☐

MULTIPLE

ZONE ☐

2. NAME OF OPERATOR

Abo Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South Fourth Street - Artesia, NM 882

4. LOCATION OF WELL (Report location clearly and in accordance with applicable requirements.)

At surface

460' FNL and 1800' FEL

At proposed prod. zone

Same

NWNE

DIVISION OF
OIL, GAS & MINING

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

Approximately 11 miles north of Hatch Trading Post, Utah

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST

PROPERTY OR LEASE LINE, FT.

(Also to nearest drlg. unit line, if any)

460'

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

16. NO. OF ACRES IN LEASE

3300

19. PROPOSED DEPTH

5950'

17. NO. OF ACRES ASSIGNED
TO THIS WELL

80

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5158' GR

22. APPROX. DATE WORK WILL START*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# H-40	Approx. 108'	50 sacks
11"	8-5/8"	32# J-55	" 2000'	800 sacks - circulate
7-7/8"	5-1/2"	15.5# J-55	TD	400 sacks

We propose to drill and test the Akah and intermediate formations. Approximately 2000' of intermediate casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW to 5500'; fresh water gel to TD

BOP PROGRAM: BOP's will be nipped up when intermediate casing is set

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Cy Cowan TITLE Regulatory Agent DATE May 30, 1986

(This space for Federal or State office use)

PERMIT NO.

43-037 31272

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MININGDATE: 7-16-86BY: John R. BayWELL SPACING: 302

COMPAN ABO PETROLEUM CORPORATION

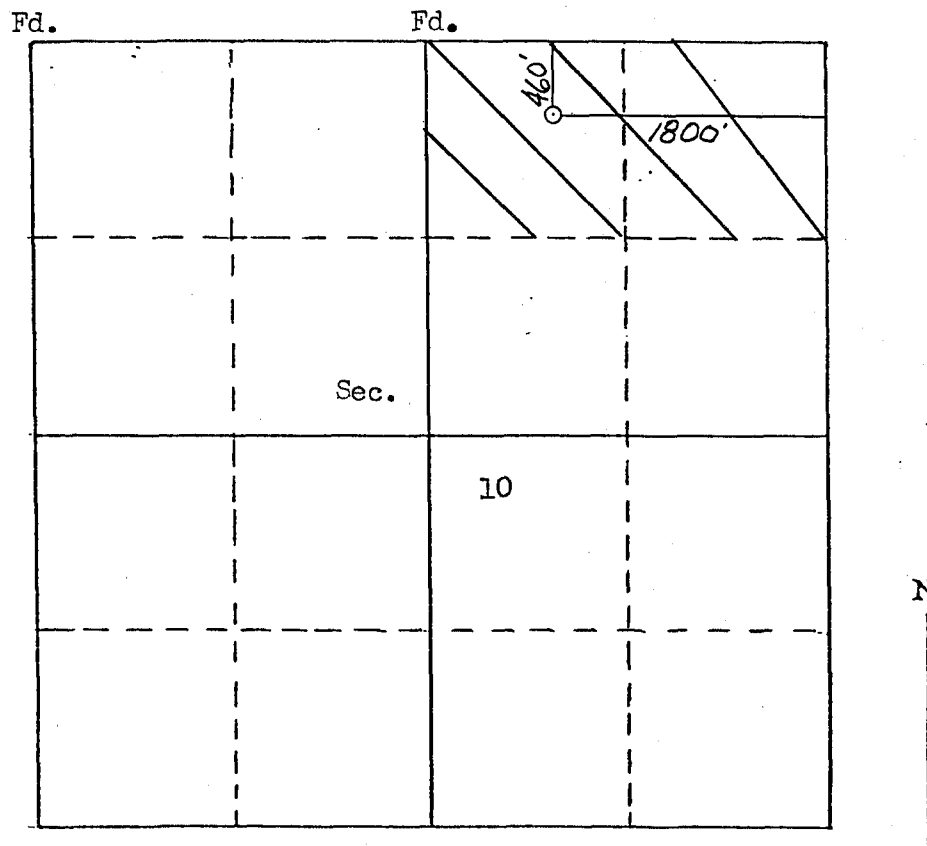
LEASE ARABIAN FEDERAL WELL NO. 1

SEC. 10 T. 38S R. 24E

County: San Juan State: Utah

LOCATION 460'FNL & 1800'FEL

ELEVATION 5158



SCALE—1 INCHES EQUALS 1 MILE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM
FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPER-
VISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE
BEST OF MY KNOWLEDGE AND BELIEF.

SEAL:



William H. Pinkell II
Registered Land Surveyor
N.M. P.L.S. No. 8466

SURVEYED May 28 1986

ABO PETROLEUM CORPORATION
Arabian Federal #1
460' FNL and 1800' FEL of
Section 10-T38S-R24E
San Juan County, Utah

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Abo Petroleum Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

1. The geologic surface formation is the Morrison formation.

2. The estimated tops of geologic markers are as follows:

Chinle	1620'
Shinrump	2420'
Cutler	2680'
Honaker Trail	4530'
Upper Ismay	5525'
Lower Desert Creek	5855'
Akah	5885'
TD	5950'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered:

Water: 150-200'

Oil or Gas: Upper Ismay 5525'; Lower Ismay 5710'; Desert Creek 5790'

4. Proposed Cementing Program:

Surface Casing:

There will be one stage of cement. Cemented with 800 sacks of Class "C" 2% CaCl_2 (600' cubic feet of cement) circulated. Casing shoe will be set at 2000' and float equipment set at approximately 1960'.

Production Casing:

There will be one stage or as warranted of cement. Cemented with enough Class "C" to equal 215 cubic feet or approximately 285 sacks to reach estimated top at 5000'. Float collar will be set at approximately 40' above TD with casing shoe set at TD.

5. Pressure Control Equipment: BOP's will be installed.

6. Mud Program:

DEPTH	TYPE	WEIGHT #/Gal.	VIS.-sec/qt.	FLUID LOSS (cc)
0-5500'	FW	-----	-----	-----
5500-TD	FW gel/starch	8.5-9.8	35-45	10-15

7. Auxiliary Equipment: Kelly Cock; pit level indicators and flow sensor equipment; sub with full-opening valve on floor, drill pipe connection.

8. Testing, Logging and Coring Program:

Samples: 10' samples caught out from under surface casing to TD

DST's: Two (2) possible

Coring: None

Logging: DIL & CNL/LDT from TD to casing. Possible dipmeter and sonic.

9. No abnormal pressures or temperatures are anticipated.

10. Anticipated starting date: As soon as possible after approval.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN
ABO PETROLEUM CORPORATION
Arabian Federal #1
460' FNL and 1800' FEL of
Section 10-T38S-R24E
San Juan County, Utah

This plan is submitted with Form 9-331C, Application for Permit to Drill, covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of surface disturbance involved and the procedures to be followed in rehabilitating the surface after completion of the operations, so that a complete appraisal can be made of the environmental effect associated with the operations.

1. EXISTING ROADS.

1. From Hatch Trading Post follow Perkins Ranch road to a point approximately 2.5 miles west of Perkins Ranch.
2. Access road will run along old two track to the northwest corner of location.
3. Refer to map.

2. PLANNED ACCESS ROAD.

- A. The new road will be 30 feet in width and approximately 300' in length.
- B. The new road will be bladed. No turnouts will be built. If needed in wet weather, surfacing material will be needed from nearest pit.
- C. The route of the road is visible.

3. LOCATION OF EXISTING WELL.

- A. There is drilling activity within a one-mile radius of the wellsite. Note Exhibit E.

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES.

- A. There are no production facilities on this lease at the present time.
- B. In the event that the well is productive, the necessary production facilities will be installed on the drilling pad. If the well is productive oil, a gas or diesel self-contained unit will be used to provide the necessary power. No power will be required if the well is productive gas.

5. LOCATION AND TYPE OF WATER SUPPLY.

- A. It is planned to drill the proposed well with a fresh water system. The water will be obtained from private sources and will be hauled to the location by truck over the existing and proposed roads shown in Exhibit A.

6. SOURCE OF CONSTRUCTION MATERIALS.

- A. Native materials will be used for pad construction. Location and road will be watered and bladed. If access is to be used during wet weather road will be surfaced from nearest pit.

7. METHODS OF HANDLING WASTE DISPOSAL.

- A. Drill cuttings will be disposed of in the reserve pits.
- B. Drilling fluids will be allowed to evaporate in the reserve pits until the pits are dry.
- C. Water produced during operations will be collected in tanks until hauled to an approved disposal system, or separate disposal application will be submitted.
- D. Oil produced during operations will be stored in tanks until sold.
- E. Current laws and regulations pertaining to the disposal of human waste will be complied with.
- F. Trash, waste paper, garbage and junk will be placed in a separate trash pit and enclosed with mesh wire. All waste material will be contained to prevent scattering by the wind.
- G. All trash and debris will be buried or removed from the wellsite within 30 days after finishing drilling and/or completion operations.

8. ANCILLARY FACILITIES.

- A. None required.

9. WELLSITE LAYOUT.

- A. Exhibit C shows the relative location and dimensions of the well pad, the reserve pits, etc. Reserve pits will be to the south.
- B. The location surface is sloping to the south.
- C. The reserve pits will be plastic lined.
- D. A 400' x 400' area has been staked and flagged.

10. PLANS FOR RESTORATION OF THE SURFACE.

- A. After finishing drilling and/or completion operations, all equipment and other material not needed for further operations will be removed. The location will be cleaned of all trash and junk to leave the wellsite in as aesthetically pleasing a condition as possible.

- B. Unguarded pits, if any, containing fluids will be fenced until they have dried and leveled.
- C. If the proposed well is non-productive, all rehabilitation and/or vegetation requirements of the Operator/Landowner Agreement will be complied with and will be accomplished as expeditiously as possible. All pits will be filled level within 90 days after abandonment.

11. OTHER INFORMATION.

- A. Topography: The land surface in the vicinity of the wellsite is sloping to the south. The immediate area of the wellsite is discussed above in paragraph 9B.
- B. Flora and Fauna: The vegetation cover on wellsite consists of native grasses, miscellaneous growth, cedar and pine trees. Gnats were observed. The area is used for grazing.
- C. Waterways: None
- D. Perkins Ranch is approximately 2.5 miles east.
- E. Surface Ownership: Federal surface and minerals.

12. OPERATOR'S REPRESENTATIVE.

- A. The field representatives responsible for assuring compliance with the approved surface use plan are:

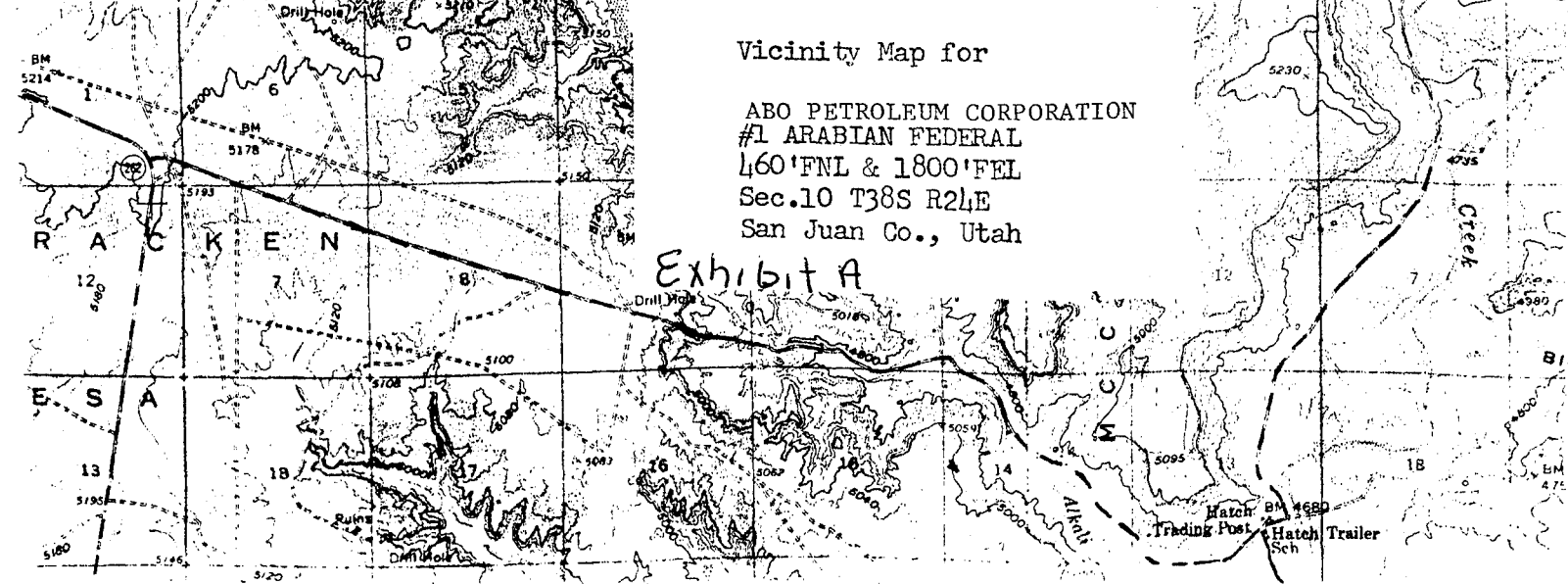
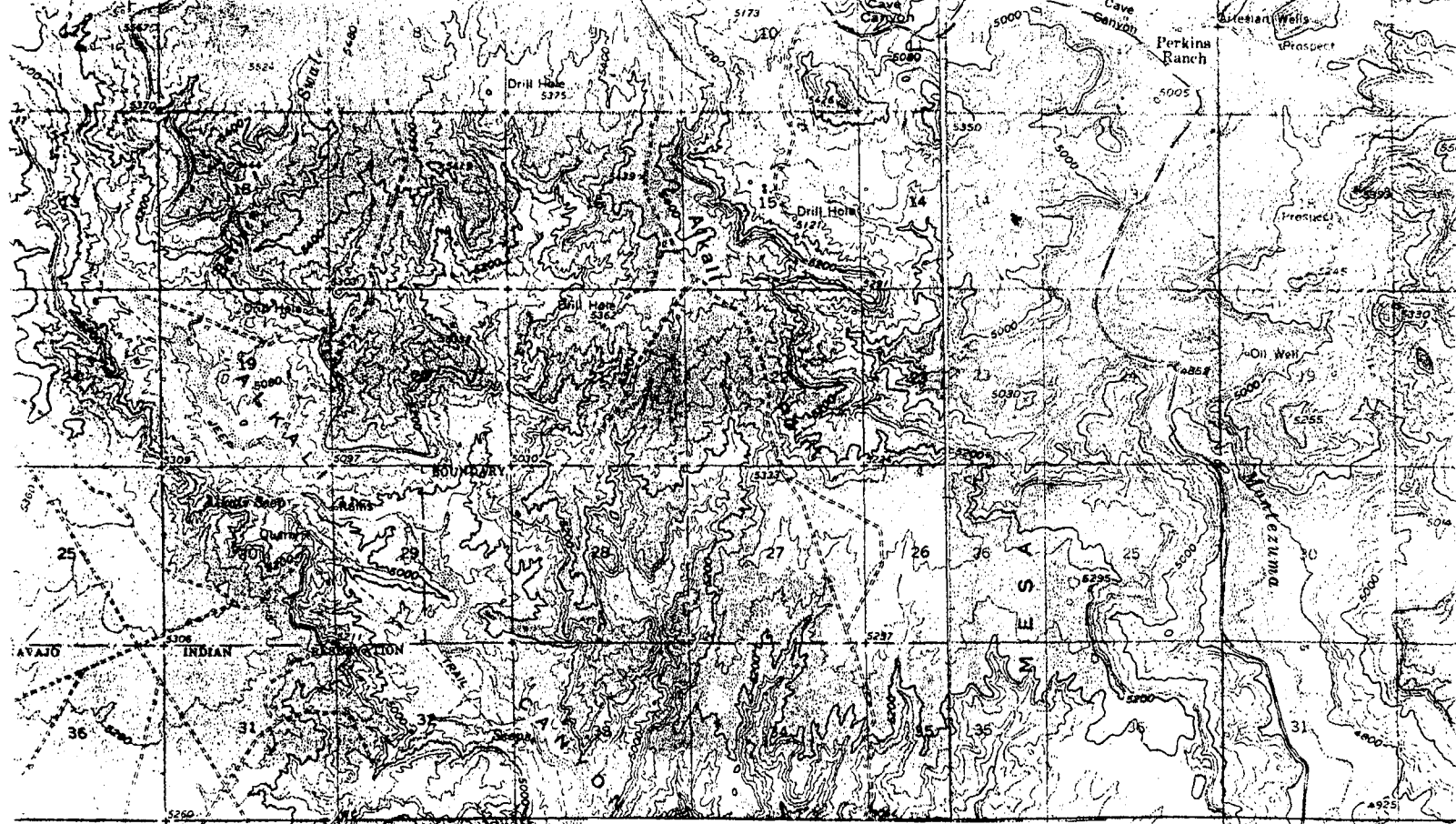
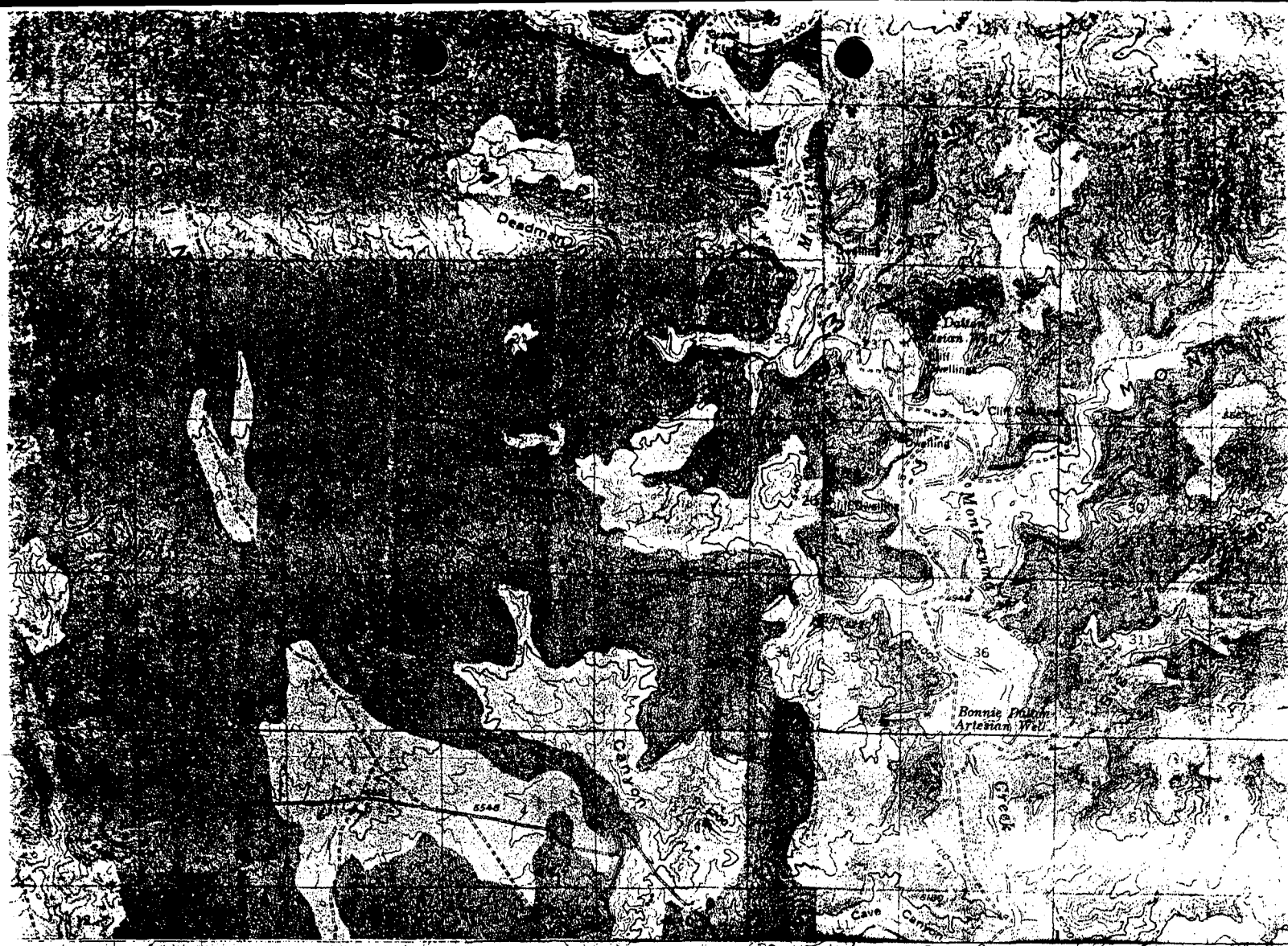
Cy Cowan or Clifton May
Abo Petroleum Corporation
105 S. 4th Street
Artesia, New Mexico 88210
(505) 748-1471

13. CERTIFICATION.

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route, that I am familiar with the conditions which presently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

5/30/86
Date

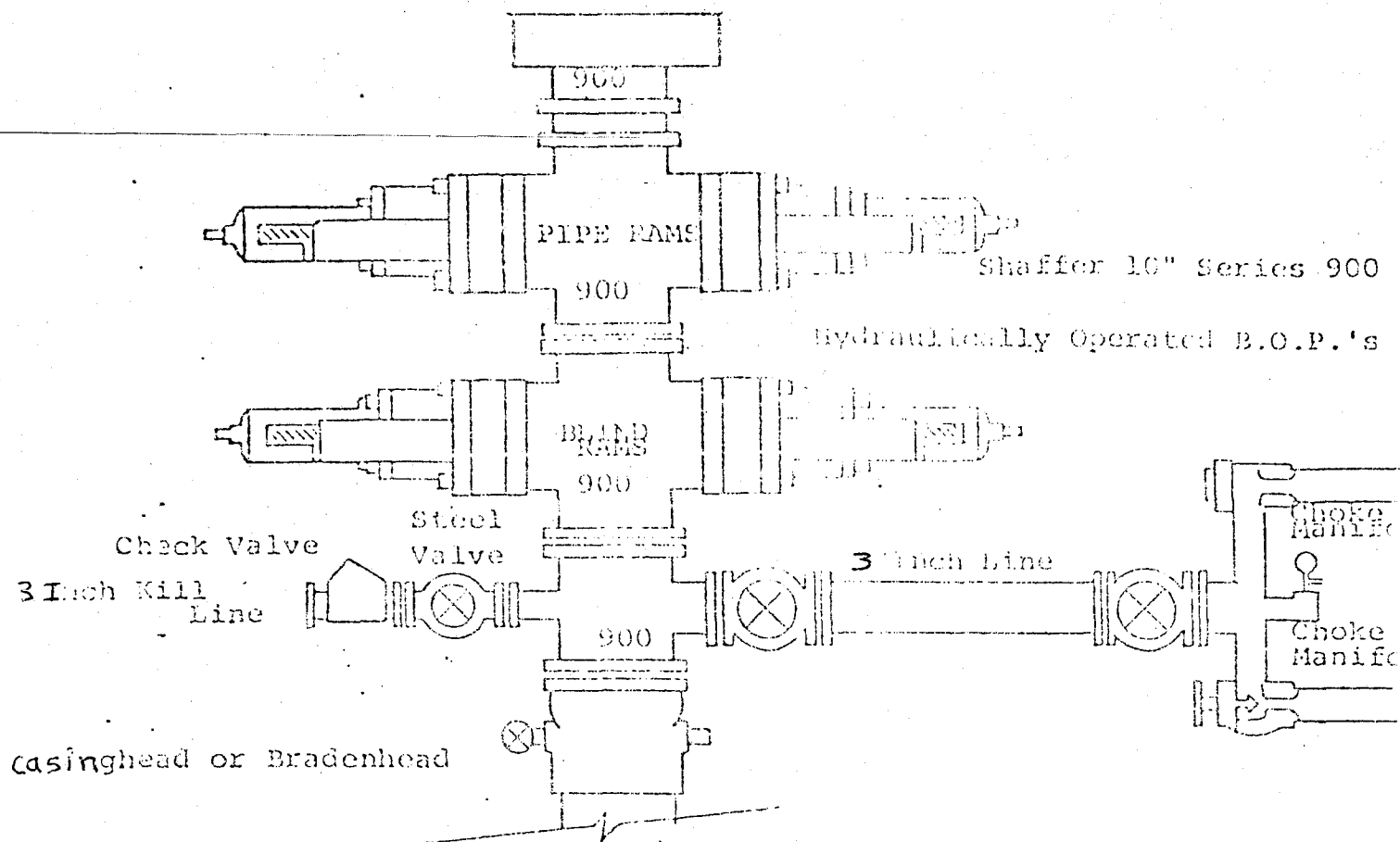
Cy Cowan
Cy Cowan
Regulatory Agent



Vicinity Map for

ABO PETROLEUM CORPORATION
#1 ARABIAN FEDERAL
460'FNL & 1800'FEL
Sec.10 T38S R24E
San Juan Co., Utah

Exhibit A



FOLLOWING CONSTITUTE MINIMUM BLOWOUT PREVENTER REQUIREMENTS

- All preventers to be hydraulically operated with secondary manual controls installed prior to drilling out from under casing.
- Choke outlet to be a minimum of 4" diameter.
- Kill line to be of all steel construction of 2" minimum diameter.
- All connections from operating manifolds to preventers to be all steel, hole or tube a minimum of one inch in diameter.
- The available closing pressure shall be at least 15% in excess of that required with sufficient volume to operate the B.O.P.'s.
- All connections to and from preventer to have a pressure rating equivalent to that of the B.O.P.'s.
- Inside blowout preventer to be available on rig floor.
- Operating controls located a safe distance from the rig floor.
- Hole must be kept filled on trips below intermediate casing. Operator not responsible for blowouts resulting from not keeping hole full.
- B. P. float must be installed and used before gain of first gas intrusion

POOR COPY

EXHIBIT C

COLEMAN DRILLING CO.

FRONT OF RIG NO. 3

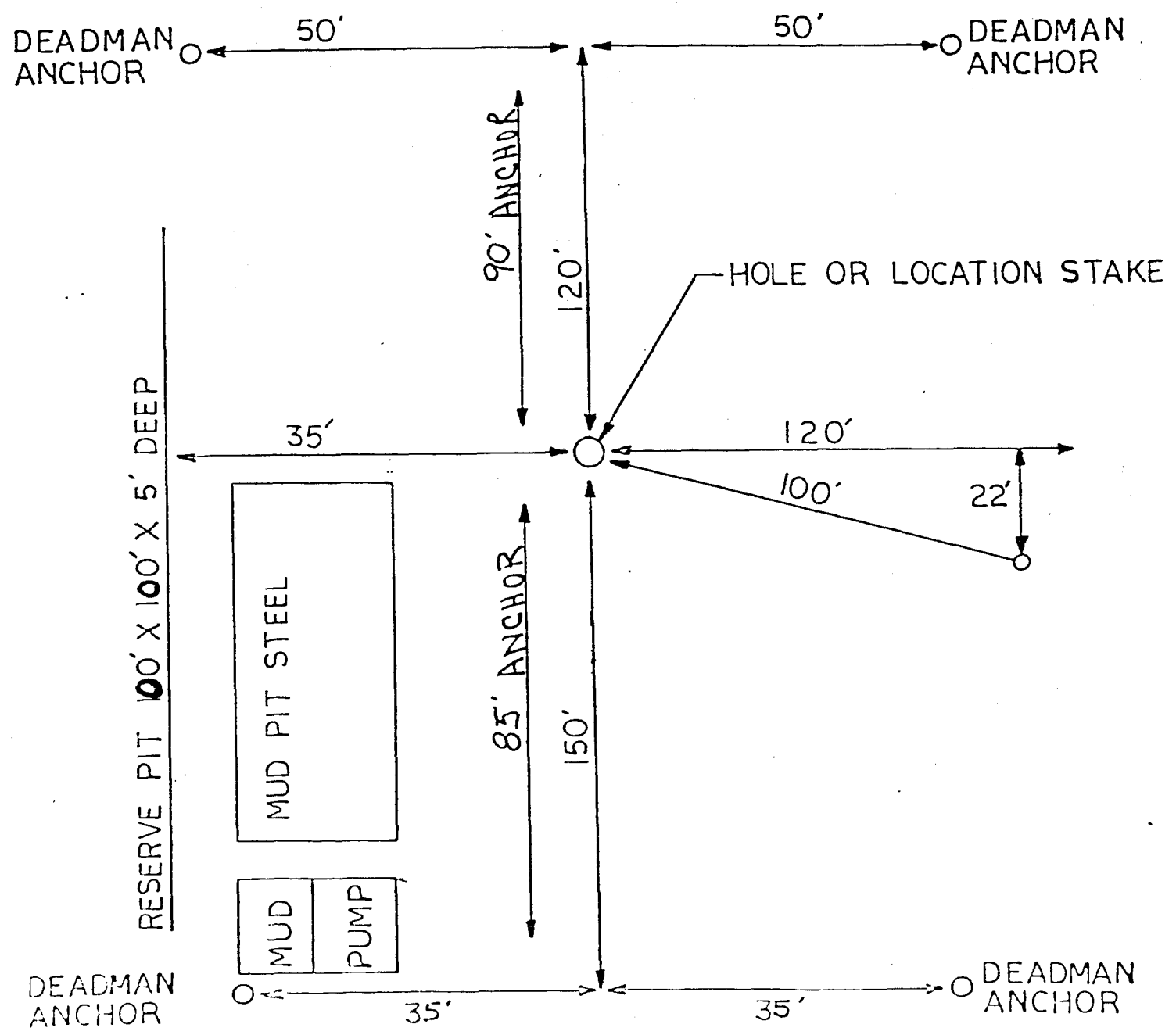


Exhibit E

1-Mile Radius

ARABIAN FED #1

1-Mile Radius
ARABIAN Fed. #1
460' FNL + 1800' FEL
SEC 10 T 38 S R 24 E

6
Expense
8-15-87

FILING FOR WATER IN THE STATE OF UTAH

APPLICATION TO APPROPRIATE WATER

Rec. by _____
Fee Paid \$ _____
Platted _____
Microfilmed _____
Roll # _____

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

AUG 08 1986

WATER USER CLAIM NO. 09 - 1478

WATER RIGHTS
SALT LAKE

APPLICATION NO. T61919

1. PRIORITY OF RIGHT: July 17, 1986

FILING DATE: July 17, 1986

2. OWNER INFORMATION

Name: ABO Petroleum Corporation

Address: 105 South Fourth Street, Artesia, NM 88210

The land is not owned by the applicant(s), see explanatory.

3. QUANTITY OF WATER: 5.0 acre feet (Ac. Ft.)

4. SOURCE: Montezuma Creek DRAINAGE: San Juan River

POINT(S) OF DIVERSION:

COUNTY: San Juan

(1) N. 50 feet, W. 480 feet, from the E $\frac{1}{4}$ Corner of Section 12,

Township 38 S, Range 24 E, SLB&M

Source: Pond on Richard Perkins property.

Description of Diverting Works: Water Trucks

COMMON DESCRIPTION: 7 1/2 miles N. of Hatch T. P.

5. NATURE AND PERIOD OF USE

Oil Exploration From July 15 to July 15.

6. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil drilling

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
38 S 24 E 10	X															

All locations in Salt Lake Base and Meridian

EXPLANATORY

Minerals owned by federal government, surface owned by Richard Perkins.

Well name is Arabian Federal #1 located in NW of NE Sec. 10.

Appropriate

CONFIDENTIAL

071729-APD

081411 - Off Cont.

OPERATOR Udo Petroleum Corp DATE 7-15-86

WELL NAME Arabian Fed. 1

SEC NWNE 10 T 38S R 24E COUNTY San Juan

43-037-31272
API NUMBER

Fed
TYPE OF LEASE

CHECK OFF:

☒

PLAT

☒

BOND

☒

NEAREST
WELL

☒

LEASE

☒

FIELD

☒

POTASH OR
OIL SHALE

PROCESSING COMMENTS:

No other well within 920'

Need water permit Res'd

APPROVAL LETTER:

SPACING: ☐ 203 _____ UNIT

☒ 302

☐ _____
CAUSE NO. & DATE

☐ 302.1

STIPULATIONS:

1- Water



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

July 16, 1986

Abo Petroleum Corporation
105 South Fourth Street
Artesia, New Mexico 88210

Gentlemen:

Re: Well Name: Arabian Federal 1 - NW NE Sec. 10, T. 38S, R. 24E
460' FNL, 1800' FEL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2

Abo Petroleum Corporation

Well Name: Arabian Federal 1

July 16, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31272.

Sincerely,



R. S. Firth

Associate Director, Oil & Gas

as

Enclosures

cc: Branch of Fluid Minerals

D. R. Nielson

8159T

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or to plug or to abandon a well or to change the location of a well or to change the purpose of a well. Use "APPLICATION FOR PERMIT—" for such purposes.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ P&A

2. NAME OF OPERATOR

Abo Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface

480' FNL & 1800' FEL

14. PERMIT NO.

API #43-037-31272

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5158' GR

5. LEASE DESIGNATION AND SERIAL NO.

U-56186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Arabian Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Section 10-T38S-R24E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☒

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-15-86.

Verbal permission obtained from Lynn Jackson, BLM, Moab, Utah, to P&A well as follows:

Set plug @5979' w/100 sx cement.

Set plug @1814' w/40 sx cement.

Set surface plug w/20 sx cement.

18. I hereby certify that the foregoing is true and correct

SIGNED

Janita Goodlett

TITLE Production Supervisor

DATE 11-17-86

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate
(Other instructions
reverse side)

112424

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO

U-56186

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Arabian Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., E., M., OR BLK. AND
SURVEY OR AREA

Section 10-T38S-R24E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL ☐ GAS ☐ OTHER ☐ P&A

2. NAME OF OPERATOR

Abo Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.
See also space 17 below.)
At surface

480' FNL & 1800' FEL

14. PERMIT NO.

API #43-037-31272

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5158' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PCLL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☒

(Note: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

TD 6000'

Plugged well as follows:

Plug #1 Set plug at 5979' w/100 sx Class "B" cement. PD 5:40 AM
11-16-86. WOC 3 hrs.

Plug #2 Set plug at 1814' w/40 sx Class "B" with 3% CaCl. PD 9:05
AM 11-16-86. WOC 2 hrs. Tagged cement at 1691'.

Plug #3 Set plug 30'-surface w/20 sx Class "B" with 3% CaCl. PD
12:15 PM 11-16-86. Circulated 5 sacks.

Notified Lynn Jackson, BLM, Moab, Utah, 5:30 PM 11-15-86.

Cleaned location. Installed dry hole marker.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Production Supervisor

DATE 11-17-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

2

112418

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other P&A

b. TYPE OF COMPLETION:

NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. REVR. ☐ Other ☐

2. NAME OF OPERATOR

Abo Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 460' FNL & 1800' FEL

At top prod. interval reported below

At total depth

DIVISION OF
OIL, GAS & MINING

14. PERMIT NO.

DATE ISSUED

API #43-037-31272

15. DATE SPUDDED

11-4-86

16. DATE T.D. REACHED

11-14-86

17. DATE COMPL. (Ready to prod.)

Dry

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

5158' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

6000'

21. PLUG. BACK T.D., MD & TVD

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

CABLE TOOLS

0-TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Dry

26. TYPE ELECTRIC AND OTHER LOGS

CNL/FDC; DLL

11-20-86 BCS

25. WAS DIRECTIONAL SURVEY MADE

No

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	61 & 54.5#	40'	17-1/2"	280 sx (330.4 cu ft)	
8-5/8"	24#	1759'	11"	1000 sx (1180 cu ft)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)		
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Production Supervisor

DATE

11-18-86

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Entrada	678	
				Navajo	877	
				Wingate	1410	
				Chinle	1743	
				Cutler	2610	
				Honaker Trail	4521	
				Paradox	5453	
				Upper Ismay	5610	
				Lower Ismay	5777	
				Upper Desert Creek	5849	
				Lower Desert Creek	5923	
				Akah	5967	